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RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/227,854*

DATE: 01/20/99
TIME: 15:32:04

INPUT SET: S30840.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

```
                                     SEQUENCE LISTING    ENTERED
1
2
3    (1)    General Information:
4
5         (i) APPLICANT: Ni, Jian
6                        Yu, Guo-Liang
7                        Alfonso, Pedro
8                        Gentz, Reiner
9                        Su, Jeffrey S.
10
11        (ii) TITLE OF INVENTION: Human Chemotactic Cytokine I
12
13       (iii) NUMBER OF SEQUENCES: 9
14
15        (iv) CORRESPONDENCE ADDRESS:
16              (A) ADDRESSEE: Human Genome Sciences, Inc.
17              (B) STREET: 9410 Key West Ave
18              (C) CITY: Rockville
19              (D) STATE: MD
20              (E) COUNTRY: USA
21              (F) ZIP: 20850
22
23        (v) COMPUTER READABLE FORM:
24              (A) MEDIUM TYPE: Floppy disk
25              (B) COMPUTER: IBM PC compatible
26              (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27              (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28
29        (vi) CURRENT APPLICATION DATA:
30              (A) APPLICATION NUMBER:
31              (B) FILING DATE:
32              (C) CLASSIFICATION:
33
34       (vii) PRIOR APPLICATION DATA:
35              (A) APPLICATION NUMBER: US 08/761,289
36              (B) FILING DATE: 06-DEC-1996
37
38       (vii) PRIOR APPLICATION DATA:
39              (A) APPLICATION NUMBER: US 06/008,378
40              (B) FILING DATE: 08-DEC-1995
41
42      (viii) ATTORNEY/AGENT INFORMATION:
43              (A) NAME: Brookes, A. Anders
44              (B) REGISTRATION NUMBER: 36,373
45              (C) REFERENCE/DOCKET NUMBER: PF210D1
46
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INPUT SET: S30840.raw

```
47        (ix) TELECOMMUNICATION INFORMATION:
48               (A) TELEPHONE: 301-309-8504
49               (B) TELEFAX: 301-309-8439
50
51
52   (2) INFORMATION FOR SEQ ID NO:1:
53
54        (i) SEQUENCE CHARACTERISTICS:
55               (A) LENGTH: 480 base pairs
56               (B) TYPE: nucleic acid
57               (C) STRANDEDNESS: single
58               (D) TOPOLOGY: linear
59
60        (ii) MOLECULE TYPE: DNA (genomic)
61
62
63        (ix) FEATURE:
64               (A) NAME/KEY: CDS
65               (B) LOCATION: 76..351
66
67
68        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
69
70   CACGAGCACC ACTGCTGGCT TTTTGCTGTA GCTCCACATT CCTGTGCATT GAGGGGTTAA        60
71
72   CATTAGGCTG GGAAG ATG ACA AAA CTT GAA GAG CAT CTG GAG GGA ATT GTC       111
73                     Met Thr Lys Leu Glu Glu His Leu Glu Gly Ile Val
74                      1               5                  10
75
76   AAT ATC TTC CAC CAA TAC TCA GTT CGG AAG GGG CAT TTT GAC ACC CTC       159
77   Asn Ile Phe His Gln Tyr Ser Val Arg Lys Gly His Phe Asp Thr Leu
78        15                  20                  25
79
80   TCT AAG GGT GAG CTG AAG CAG CTG CTT ACA AAG GAG CTT GCA AAC ACC       207
81   Ser Lys Gly Glu Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala Asn Thr
82        30                  35                  40
83
84   ATC AAG AAT ATC AAA GAT AAA GCT GTC ATT GAT GAA ATA TTC CAA GGC       255
85   Ile Lys Asn Ile Lys Asp Lys Ala Val Ile Asp Glu Ile Phe Gln Gly
86    45                  50                  55                  60
87
88   CTG GAT GCT AAT CAA GAT GAA CAG GTC GAC TTT CAA GAA TTC ATA TCC       303
89   Leu Asp Ala Asn Gln Asp Glu Gln Val Asp Phe Gln Glu Phe Ile Ser
90                65                  70                  75
91
92   CTG GTA GCC ATT GCG CTG AAG GCT GCC CAT TAC CAC ACC CAC AAA GAG       351
93   Leu Val Ala Ile Ala Leu Lys Ala Ala His Tyr His Thr His Lys Glu
94                80                  85                  90
95
96   TAGGTAGCTC TCTGAAGGCT TTTTACCCAG CAATGTCCTC AATGGAGGGG TCTTTTCTTT       411
97
98   GCCTCACCAA AACCCAGCTT GACCCCTGGG GGGAGTTAAG AGTTAATAAC CACACTTACG       471
99
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100    GAAAGTTCT                                                              480
101
102
103    (2) INFORMATION FOR SEQ ID NO:2:
104
105         (i) SEQUENCE CHARACTERISTICS:
106             (A) LENGTH: 92 amino acids
107             (B) TYPE: amino acid
108             (D) TOPOLOGY: linear
109
110        (ii) MOLECULE TYPE: protein
111
112        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
113
114    Met Thr Lys Leu Glu Glu His Leu Glu Gly Ile Val Asn Ile Phe His
115     1               5                  10                  15
116
117    Gln Tyr Ser Val Arg Lys Gly His Phe Asp Thr Leu Ser Lys Gly Glu
118             20                  25                  30
119
120    Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala Asn Thr Ile Lys Asn Ile
121         35                  40                  45
122
123    Lys Asp Lys Ala Val Ile Asp Glu Ile Phe Gln Gly Leu Asp Ala Asn
124         50                  55                  60
125
126    Gln Asp Glu Gln Val Asp Phe Gln Glu Phe Ile Ser Leu Val Ala Ile
127     65                  70                  75                  80
128
129    Ala Leu Lys Ala Ala His Tyr His Thr His Lys Glu
130                 85                  90
131
132    (2) INFORMATION FOR SEQ ID NO:3:
133
134         (i) SEQUENCE CHARACTERISTICS:
135             (A) LENGTH: 22 base pairs
136             (B) TYPE: nucleic acid
137             (C) STRANDEDNESS: single
138             (D) TOPOLOGY: linear
139
140        (ii) MOLECULE TYPE: DNA (genomic)
141
142
143
144
145        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
146
147    CGCGGATCCA TGACAAAACT TG                                                22
148
149    (2) INFORMATION FOR SEQ ID NO:4:
150
151         (i) SEQUENCE CHARACTERISTICS:
152             (A) LENGTH: 28 base pairs
```

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/227,854*

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153              (B) TYPE: nucleic acid
154              (C) STRANDEDNESS: single
155              (D) TOPOLOGY: linear
156
157        (ii) MOLECULE TYPE: DNA (genomic)
158
159
160
161
162          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
163
164   CGCGGATCCC TACTCTTTGT GGGTGTGG                              28
165
166   (2) INFORMATION FOR SEQ ID NO:5:
167
168        (i) SEQUENCE CHARACTERISTICS:
169              (A) LENGTH: 31 base pairs
170              (B) TYPE: nucleic acid
171              (C) STRANDEDNESS: single
172              (D) TOPOLOGY: linear
173
174        (ii) MOLECULE TYPE: DNA (genomic)
175
176
177
178
179          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
180
181   GCGCGGATCC ACCATGACAA AACTTGAAGA G                          31
182
183   (2) INFORMATION FOR SEQ ID NO:6:
184
185        (i) SEQUENCE CHARACTERISTICS:
186              (A) LENGTH: 55 base pairs
187              (B) TYPE: nucleic acid
188              (C) STRANDEDNESS: single
189              (D) TOPOLOGY: linear
190
191        (ii) MOLECULE TYPE: DNA (genomic)
192
193
194
195
196          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
197
198   GCGCTCTAGA TCAAGCGTAG TCTGGGACGT CGTATGGGTA CTCTTTGTGG GTGTG    55
199
200   (2) INFORMATION FOR SEQ ID NO:7:
201
202        (i) SEQUENCE CHARACTERISTICS:
203              (A) LENGTH: 29 base pairs
204              (B) TYPE: nucleic acid
205              (C) STRANDEDNESS: single
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206              (D) TOPOLOGY: linear
207
208        (ii) MOLECULE TYPE: DNA (genomic)
209
210
211
212
213        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
214
215   CGCGGATCCC ACAAAACTTG AAGAGCATC                                          29
216
217   (2) INFORMATION FOR SEQ ID NO:8:
218
219        (i) SEQUENCE CHARACTERISTICS:
220              (A) LENGTH: 28 base pairs
221              (B) TYPE: nucleic acid
222              (C) STRANDEDNESS: single
223              (D) TOPOLOGY: linear
224
225        (ii) MOLECULE TYPE: DNA (genomic)
226
227
228
229
230        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
231
232   CGCGGATCCC TACTCTTTGT GGGTGTGG                                           28
233
234   (2) INFORMATION FOR SEQ ID NO:9:
235
236        (i) SEQUENCE CHARACTERISTICS:
237              (A) LENGTH: 100 amino acids
238              (B) TYPE: amino acid
239              (C) STRANDEDNESS: single
240              (D) TOPOLOGY: linear
241
242        (ii) MOLECULE TYPE: protein
243
244
245
246
247        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
248
249        Met Thr Cys Lys Met Ser Gln Leu Glu Arg Asn Ile Glu Thr Ile Ile
250        1               5                   10                  15
251
252        Asn Thr Phe His Gln Tyr Ser Val Lys Leu Gly His Pro Asp Thr Leu
253                    20                  25                  30
254
255        Asn Gln Gly Glu Phe Lys Glu Leu Val Arg Lys Asp Leu Gln Asn Phe
256                35                  40                  45
257
258        Leu Lys Lys Glu Asn Lys Asn Glu Lys Val Ile Glu His Ile Met Glu
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/227,854*

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